Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/07/2015 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124409	-1	1.48	124243	1.44
Blue	F	SSC	125000	123255	-2	2.72	124132	2.40
Blue	E	FITC	17374	16751	-4	2.28	945	7.88
Blue	D	PE	22653	22009	-3	1.92	994	7.13
Blue	B	PerCP-Cy5-5	64987	63729	-2	2.48	1682	11.45
Blue	A	PE-Cy7	74081	73589	-1	3.48	978	21.92
Red	C	APC	61430	61359	-1	2.42	3471	7.68
Red	A	APC-Cy7	88289	88571	0	2.47	1750	7.42
Violet	B	V450	12535	12044	-4	3.32	747	7.36
Violet	A	V500	47468	46557	-2	2.96	2630	5.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20020	4.30	572	-7	N/A	N/A	Pass
Blue	F	SSC	61725	1.69	491	2	N/A	N/A	Pass
Blue	E	FITC	104	31.40	507	-2	0.0323	52	Pass
Blue	D	PE	206	21.18	500	-1	0.2093	85	Pass
Blue	B	PerCP-Cy5-5	208	34.01	579	-1	0.0145	0	Pass
Blue	A	PE-Cy7	77	82.37	637	0	0.0189	4	Pass
Red	C	APC	322	25.47	572	2	0.0238	51	Pass
Red	A	APC-Cy7	110	37.07	549	3	0.0055	1086	Pass
Violet	B	V450	79	37.82	456	7	0.0576	1715	Pass
Violet	A	V500	171	18.79	484	6	0.0178	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.49	-31.31	0.81
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.23
Red	17.18	13.07 - 19.61	N/A	N/A	31.77	32.10	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 15170

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments